

INPUT SET: S5863.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

3 (1) General Information:
4
5 (i) APPLICANT: Ullrich, Axel
6 Gishizsky, Mikhail
7 Sures, Irman G.
8
9 (ii) TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
10 Kinases
11
12 (iii) NUMBER OF SEQUENCES: 21
13
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: Pennie & Edmonds
16 (B) STREET: 1155 Avenue of the Americas
17 (C) CITY: New York
18 (D) STATE: New York
19 (E) COUNTRY: U.S.A.
20 (F) ZIP: 10036
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER: US 08/426,509
30 (B) FILING DATE: 21-APR-1995
31 (C) CLASSIFICATION:
32
33 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: US 08/232,545
35 (B) FILING DATE: 22-APR-1994
36 (C) CLASSIFICATION:
37
38 (viii) ATTORNEY/AGENT INFORMATION:
39 (A) NAME: Coruzzi, Laura A.
40 (B) REGISTRATION NUMBER: 30,742
41 (C) REFERENCE/DOCKET NUMBER: 7683-074
42
43 (ix) TELECOMMUNICATION INFORMATION:
44 (A) TELEPHONE: (212)790-9090
45 (B) TELEFAX: (212)869-9741
46 (C) TELEX: 66141 PENNIE

INPUT SET: S5863.raw

47
48
49 (2) INFORMATION FOR SEQ ID NO:1:
50
51 (i) SEQUENCE CHARACTERISTICS:
52 (A) LENGTH: 2000 base pairs
53 (B) TYPE: nucleic acid
54 (C) STRANDEDNESS: unknown
55 (D) TOPOLOGY: unknown
56
57 (ii) MOLECULE TYPE: DNA
58
59
60
61
62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
63
64 CTCGCTCCAA GTTGTGCAGC CGGGACCGCC TCGGGGTGTG CAGCCGGCTC GCGGAGGCC 60
65 TCCTGGGGC GGGCGCGGGG CGGCTCGGGG GCGCCCCCTG AGCAGAAAAC AGGAAGAAC 120
66 AGGCTCGGTC CAGTGGCACC CAGCTCCCTA CCTCCTGTGC CAGCCGCCTG GCCTGTGGCA 180
67
68 GGCCATTCCC AGCGTCCCCG ACTGTGACCA CTTGCTCAGT GTGCCTCTCA CCTGCCTCAG 240
69
70 TTTCCCTCTG GGGGGCGATG GCGGGGCGAG GCTCTCTGGT TTCCCTGGCGG GCATTCACG 300
71
72 GCTGTGATTC TGCTGAGGAA CTTCCCCGGG TGAGCCCCCG CTTCCCTCCGA GCCTGGCACC 360
73
74 CCCCTCCCGT CTCAGCCAGG ATGCCAACGA GGCGCTGGC CCCGGGCACC CAGTGTATCA 420
75
76 CCAAATGCGA GCACACCCGC CCCAAGCCAG GGGAGCTGGC CTTCCGCAAG GGCGACGTGG 480
77
78 TCACCATCCT GGAGGCCTGC GAGAACAAAGA GCTGGTACCG CGTCAAGCAC CACACCAGTG 540
79
80 GACAGGAGGG GCTGCTGGCA GCTGGGGCGC TGCGGGAGCG GGAGGCCCTC TCCGCAGACC 600
81
82 CCAAGCTCAG CCTCATGCCG TGTTCCACG GGAAGATCTC GGGCCAGGAG GCTGTCCAGC 660
83
84 AGCTGCAGCC TCCCGAGGAT GGGCTGTTCC TGGTGCAGGA GTCCGCGCGC CACCCCGCG 720
85
86 ACTACGTCT GTGGTGTGAGC TTTGGCCCG ACgtCATCCA CTACCCCGTG CTGCACCGCG 780
87
88 ACGGCCACCT CACAATCGAT GAGGCCGTGT TCTTCTGCAA CCTCATGGAC ATGGTGGAGC 840
89
90 ATTACAGCAA GGACAAGGGC GCTATCTGCA CCAAGCTGGT GAGACCAAAG CGGAAACACG 900
91
92 GGACCAAGTC GGCCGAGGAG GAGCTGGCCA GGGCGGGCTG GTTACTGAAC CTGCAGCATT 960
93
94 TGACATTGGG AGCACAGATC GGAGAGGGAG AGTTTGGAGC TGTCCTGCAG GGTGAGTACC 1020
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96 TGGGGCAAAA GGTGGCCGTG AAGAATATCA AGTGTGATGT GACAGCCCAG GCCTTCCTGG 1080
97
98
99

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/426,509DATE: 08/28/95
TIME: 13:46:18**INPUT SET: S5863.raw**

100 ACGAGACGGC CGTCATGACG AAGATGCAAC ACGAGAACCT GGTGCGTCTC CTGGCGTGA 1140
101
102 TCCTGCACCA GGGGCTGTAC ATTGTATGG AGCACGTGAG CAAGGGCAAC CTGGTGAAC 1200
103
104 TTCTGCGGAC CCGGGGTCGA GCCCTCGTGA ACACCGCTCA GCTCCTGCAG TTTTCTCTGC 1260
105
106 ACGTGGCCGA GGGCATGGAG TACCTGGAGA GCAAGAAGCT TGTGCACCAG GACCTGGCCG 1320
107
108 CCCGCAACAT CCTGGTCTCA GAGGACCTGG TGGCCAAGGT CAGCGACTTT GGCTGGCCA 1380
109
110 AAGCCGAGCG GAAGGGGCTA GACTCAAGCC GGCTGCCGT CAAGTGGACG GCGCCCGAGG 1440
111
112 CTCTCAAACA CGGGAAAGTTC ACCAGCAAGT CGGATGTCTG GAGTTTGAGG GTGCTGCTCT 1500
113
114 GGGAGGTCTT CTCATATGGA CGGGCTCCGT ACCCTAAAAT GTCACTGAAA GAGGTGTCGG 1560
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116 AGGCCGTGGA GAAGGGGTAC CGCATGGAAC CCCCCGAGGG CTGTCCAGGC CCCGTGCACG 1620
117
118 TCCTCATGAG CAGCTGCTGG GAGGCAGAGC CGGCCCGCCG GCCACCCCTTC CGCAAACCTGG 1680
119
120 CCGAGAAGCT GGCACGGGAG CTACGCAGTG CAGGTGCCCG AGCCTCCGTC TCAGGGCAGG 1740
121
122 ACGCCGACGG CTCCACCTCG CCCCCGAAGCC AGGAGCCCTG ACCCCCACCCG GTGGGGCCCT 1800
123
124 TGGCCCCAGA GGACCGAGAG AGTGGAGAGT GCGGCGTGGG GGCAC TGACCTGACC AGGCCAAGG 1860
125
126 AGGGTCCAGG CGGGCAAGTC ATCCTCCTGG TGCCCACAGC AGGGGCTGGC CCACGTAGGG 1920
127
128 GGCTCTGGC GGCCCGTGGA CACCCAGAC CTGCGAAGGA TGATCGCCCG ATAAAGACGG 1980
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130 ATTCTAAGGA CTCTAAAAAA 2000
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132 (2) INFORMATION FOR SEQ ID NO:2:
133
134 (i) SEQUENCE CHARACTERISTICS:
135 (A) LENGTH: 507 amino acids
136 (B) TYPE: amino acid
137 (C) STRANDEDNESS: unknown
138 (D) TOPOLOGY: unknown
139
140 (ii) MOLECULE TYPE: protein
141
142
143
144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
145
146 Met Ala Gly Arg Gly Ser Leu Val Ser Trp Arg Ala Phe His Gly Cys
147 1 5 10 15
148
149 Asp Ser Ala Glu Glu Leu Pro Arg Val Ser Pro Arg Phe Leu Arg Ala
150 20 25 30
151
152 Trp His Pro Pro Pro Val Ser Ala Arg Met Pro Thr Arg Arg Trp Ala

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/426,509DATE: 08/28/95
TIME: 13:46:20

INPUT SET: S5863.raw

153 35 40 45
154
155 Pro Gly Thr Gln Cys Ile Thr Lys Cys Glu His Thr Arg Pro Lys Pro
156 50 55 60
157
158 Gly Glu Leu Ala Phe Arg Lys Gly Asp Val Val Thr Ile Leu Glu Ala
159 65 70 75 80
160
161 Cys Glu Asn Lys Ser Trp Tyr Arg Val Lys His His Thr Ser Gly Gln
162 85 90 95
163
164 Glu Gly Leu Leu Ala Ala Gly Ala Leu Arg Glu Arg Glu Ala Leu Ser
165 100 105 110
166
167 Ala Asp Pro Lys Leu Ser Leu Met Pro Trp Phe His Gly Lys Ile Ser
168 115 120 125
169
170 Gly Gln Glu Ala Val Gln Gln Leu Gln Pro Pro Glu Asp Gly Leu Phe
171 130 135 140
172
173 Leu Val Arg Glu Ser Ala Arg His Pro Gly Asp Tyr Val Leu Cys Val
174 145 150 155 160
175
176 Ser Phe Gly Arg Asp Val Ile His Tyr Arg Val Leu His Arg Asp Gly
177 165 170 175
178
179 His Leu Thr Ile Asp Glu Ala Val Phe Phe Cys Asn Leu Met Asp Met
180 180 185 190
181
182 Val Glu His Tyr Ser Lys Asp Lys Gly Ala Ile Cys Thr Lys Leu Val
183 195 200 205
184
185 Arg Pro Lys Arg Lys His Gly Thr Lys Ser Ala Glu Glu Glu Leu Ala
186 210 215 220
187
188 Arg Ala Gly Trp Leu Leu Asn Leu Gln His Leu Thr Leu Gly Ala Gln
189 225 230 235 240
190
191 Ile Gly Glu Gly Glu Phe Gly Ala Val Leu Gln Gly Glu Tyr Leu Gly
192 245 250 255
193
194 Gln Lys Val Ala Val Lys Asn Ile Lys Cys Asp Val Thr Ala Gln Ala
195 260 265 270
196
197 Phe Leu Asp Glu Thr Ala Val Met Thr Lys Met Gln His Glu Asn Leu
198 275 280 285
199
200 Val Arg Leu Leu Gly Val Ile Leu His Gln Gly Leu Tyr Ile Val Met
201 290 295 300
202
203 Glu His Val Ser Lys Gly Asn Leu Val Asn Phe Leu Arg Thr Arg Gly
204 305 310 315 320
205

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/426,509DATE: 08/28/95
TIME: 13:46:23

INPUT SET: S5863.raw

206 Arg Ala Leu Val Asn Thr Ala Gln Leu Leu Gln Phe Ser Leu His Val
207 325 330 335
208
209 Ala Glu Gly Met Glu Tyr Leu Glu Ser Lys Lys Leu Val His Arg Asp
210 340 345 350
211
212 Leu Ala Ala Arg Asn Ile Leu Val Ser Glu Asp Leu Val Ala Lys Val
213 355 360 365
214
215 Ser Asp Phe Gly Leu Ala Lys Ala Glu Arg Lys Gly Leu Asp Ser Ser
216 370 375 380
217
218 Arg Leu Pro Val Lys Trp Thr Ala Pro Glu Ala Leu Lys His Gly Lys
219 385 390 395 400
220
221 Phe Thr Ser Lys Ser Asp Val Trp Ser Phe Gly Val Leu Leu Trp Glu
222 405 410 415
223
224 Val Phe Ser Tyr Gly Arg Ala Pro Tyr Pro Lys Met Ser Leu Lys Glu
225 420 425 430
226
227 Val Ser Glu Ala Val Glu Lys Gly Tyr Arg Met Glu Pro Pro Glu Gly
228 435 440 445
229
230 Cys Pro Gly Pro Val His Val Leu Met Ser Ser Cys Trp Glu Ala Glu
231 450 455 460
232
233 Pro Ala Arg Arg Pro Pro Phe Arg Lys Leu Ala Glu Lys Leu Ala Arg
234 465 470 475 480
235
236 Glu Leu Arg Ser Ala Gly Ala Pro Ala Ser Val Ser Gly Gln Asp Ala
237 485 490 495
238
239 Asp Gly Ser Thr Ser Pro Arg Ser Gln Glu Pro
240 500 505
241
242 (2) INFORMATION FOR SEQ ID NO:3:
243
244 (i) SEQUENCE CHARACTERISTICS:
245 (A) LENGTH: 2500 base pairs
246 (B) TYPE: nucleic acid
247 (C) STRANDEDNESS: unknown
248 (D) TOPOLOGY: unknown
249
250 (ii) MOLECULE TYPE: DNA
251
252
253
254
255 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
256
257 CCGCTTTTG CTTAGAGCTT GAGAGTCAAA GTTAAGGACC CACATGTATA CTTGGCTCT 60
258

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION **US/08/426,509**

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Original Text

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).

3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

7. Other: _____

Applicant must provide:

An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"

An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification

A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

Please return a copy of this notice with your response.